Kristin Tessmar-Raible

List of Publications by Year
in descending order

56 papers	4,969 citations	185998 28 h-index	205818 48 g-index
68 all docs	68 docs citations	68 times ranked	4967 citing authors

#	Article	IF	Citations
1	Melanopsin elevates locomotor activity during the wake state of the diurnal zebrafish. EMBO Reports, 2022, 23, e51528.	2.0	8
2	Two light sensors decode moonlight versus sunlight to adjust a plastic circadian/circalunidian clock to moon phase. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	17
3	The cation exchanger Letm1, circadian rhythms, and NAD(H) levels interconnect in diurnal zebrafish. Life Science Alliance, 2022, 5, e202101194.	1.3	2
4	Timing strains of the marine insect Clunio marinus diverged and persist with gene flow. Molecular Ecology, 2021, 30, 1264-1280.	2.0	16
5	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. PLoS Biology, 2021, 19, e3001012.	2.6	9
6	Characterization of cephalic and non-cephalic sensory cell types provides insight into joint photo- and mechanoreceptor evolution. ELife, 2021, 10, .	2.8	10
7	The Nereid on the rise: Platynereis as a model system. EvoDevo, 2021, 12, 10.	1.3	34
8	Seasonal variation in UVA light drives hormonal and behavioural changes in a marine annelid via a ciliary opsin. Nature Ecology and Evolution, 2021, 5, 204-218.	3.4	24
9	Characterization of tmt-opsin2 in Medaka Fish Provides Insight Into the Interplay of Light and Temperature for Behavioral Regulation. Frontiers in Physiology, 2021, 12, 726941.	1.3	1
10	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
11	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
12	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
13	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
14	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
15	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
16	Rhythms of behavior: are the times changinâ€™?. Current Opinion in Neurobiology, 2020, 60, 55-66.	2.0	28
17	The Still Dark Side of the Moon: Molecular Mechanisms of Lunar-Controlled Rhythms and Clocks. Journal of Molecular Biology, 2020, 432, 3525-3546.	2.0	58
18	Differential Impacts of the Head on Platynereis dumerilii Peripheral Circadian Rhythms. Frontiers in Physiology, 2019, 10, 900.	1.3	8

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19	Combined transcriptome and proteome profiling reveals specific molecular brain signatures for sex, maturation and circalunar clock phase. ELife, 2019, 8, .	2.8	51
20	Parents in science. Genome Biology, 2018, 19, 180.	3.8	1
21	Ciliary and rhabdomeric photoreceptor-cell circuits form a spectral depth gauge in marine zooplankton. ELife, 2018, 7, .	2.8	37
22	A Go-type opsin mediates the shadow reflex in the annelid Platynereis dumerilii. BMC Biology, 2018, 16, 41.	1.7	36
23	Virtual reality for freely moving animals. Nature Methods, 2017, 14, 995-1002.	9.0	213
24	An Overview of Monthly Rhythms and Clocks. Frontiers in Neurology, 2017, 8, 189.	1.1	75
25	Instrument design and protocol for the study of light controlled processes in aquatic organisms, and its application to examine the effect of infrared light on zebrafish. PLoS ONE, 2017, 12, e0172038.	1.1	13
26	The genomic basis of circadian and circalunar timing adaptations in a midge. Nature, 2016, 540, 69-73.	13.7	96
27	Tools for Gene-Regulatory Analyses in the Marine Annelid Platynereis dumerilii. PLoS ONE, 2014, 9, e93076.	1.1	19
28	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede Strigamia maritima. PLoS Biology, 2014, 12, e1002005.	2.6	221
29	TALENs Mediate Efficient and Heritable Mutation of Endogenous Genes in the Marine Annelid Platynereis dumerilii. Genetics, 2014, 197, 77-89.	1.2	52
30	The Cryptochrome/Photolyase Family in aquatic organisms. Marine Genomics, 2014, 14, 23-37.	0.4	81
31	Genetic and Genomic Tools for the Marine AnnelidPlatynereis dumerilii. Genetics, 2014, 197, 19-31.	1.2	63
32	Platynereis dumerilii. Current Biology, 2014, 24, R676-R677.	1.8	12
33	Circadian and Circalunar Clock Interactions and the Impact of Light in Platynereis dumerilii. , 2014, , 143-162.		18
34	Evolution of clitellate phaosomes from rhabdomeric photoreceptor cells of polychaetes â€“ a study in the leech Helobdella robusta (Annelida, Sedentaria, Clitellata). Frontiers in Zoology, 2013, 10, 52.	0.9	16
35	Circadian and Circalunar Clock Interactions in a Marine Annelid. Cell Reports, 2013, 5, 99-113.	2.9	128
36	Stable transgenesis in the marine annelid Platynereis dumerilii sheds new light on photoreceptor evolution. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 193-198.	3.3	126

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37	Co-Expression of VAL- and TMT-Opsins Uncovers Ancient Photosensory Interneurons and Motorneurons in the Vertebrate Brain. PLoS Biology, 2013, 11, e1001585.	2.6	56
38	Conditional and Specific Cell Ablation in the Marine Annelid Platynereis dumerilii. PLoS ONE, 2013, 8, e75811.	1.1	15
39	Another place, another timer: Marine species and the rhythms of life. BioEssays, 2011, 33, 165-172.	1.2	159
40	Three consecutive generations of nephridia occur during development of Platynereis dumerilii (Annelida, Polychaeta). Developmental Dynamics, 2010, 239, 1967-1976.	0.8	9
41	Profiling by Image Registration Reveals Common Origin of Annelid Mushroom Bodies and Vertebrate Pallium. Cell, 2010, 142, 800-809.	13.5	271
42	Hedgehog Signaling Regulates Segment Formation in the Annelid Platynereis. Science, 2010, 329, 339-342.	6.0	84
43	13-P032 Hedgehog regulates segment formation in the annelid Platynereis. Mechanisms of Development, 2009, 126, S204.	1.7	0
44	The evolution of nervous system centralization. , 2009, , 65-70.		0
45	The evolution of nervous system centralization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1523-1528.	1.8	172
46	The evolution of neurosecretory centers in bilaterian forebrains: Insights from protostomes. Seminars in Cell and Developmental Biology, 2007, 18, 492-501.	2.3	46
47	Conserved Sensory-Neurosecretory Cell Types in Annelid and Fish Forebrain: Insights into Hypothalamus Evolution. Cell, 2007, 129, 1389-1400.	13.5	344
48	The Genome of the Sea Urchin Strongylocentrotus purpuratus. Science, 2006, 314, 941-952.	6.0	1,018
49	Opsins and clusters of sensory G-protein-coupled receptors in the sea urchin genome. Developmental Biology, 2006, 300, 461-475.	0.9	153
50	Fluorescent two-color whole mount in situ hybridization in Platynereis dumerilii (Polychaeta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 39, 460-464.	0.8	80
51	Ancestry of Photic and Mechanic Sensation?. Science, 2005, 308, 1113-1114.	6.0	33
52	Vertebrate-Type Intron-Rich Genes in the Marine Annelid Platynereis dumerilii. Science, 2005, 310, 1325-1326.	6.0	244
53	Direct interaction of geminin and Six3 in eye development. Nature, 2004, 427, 745-749.	13.7	225
54	Ciliary Photoreceptors with a Vertebrate-Type Opsin in an Invertebrate Brain. Science, 2004, 306, 869-871.	6.0	391

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55	Emerging systems: between vertebrates and arthropods, the Lophotrochozoa. Current Opinion in Genetics and Development, 2003, 13, 331-340.	1.5	129
56	A screen for co-factors of Six3. Mechanisms of Development, 2002, 117, 103-113.	1.7	42